

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-11. (canceled)

12. (currently amended) A brake caliper having a caliper wall, the caliper wall defining a cylinder with at least one axially displaceable, hydraulically actuated piston received in the cylinder, with which a brake pad can be pressed against a brake disc, the piston defining a cavity therewithin, with at least one inlet opening for feeding air into the cavity, the inlet opening being arranged in the piston spaced away from the brake pad, and at least one outlet opening arranged in the piston adjacent to the brake pad for discharging air from the cavity to adjacent the brake pad, characterized in that ~~a flow through device extends~~ air flows from the caliper wall into the ~~interior space~~ cavity of the piston to allow passage of air from outside the caliper wall to the cavity whereby the discharging air cools one of the brake pad and brake disc by convection.

13. (currently amended) A brake caliper according to claim 12, characterized in that ~~[[the]]~~ an flow through device is integral with the wall of the brake caliper.

14. (currently amended) A brake caliper according to claim 12, characterized in that the piston comprises a hollow cylinder having a pair of face ends, wherein the brake pad is located on one of the face ends and an inlet opening, through which ~~the flow through device extends~~ air flows, is defined on the other face end, the inlet opening being coaxial to the cylinder.

15. (withdrawn) A brake caliper according to claim 12, characterized in that the piston is formed of two pieces.

16. (withdrawn) A brake caliper according to claim 15, characterized in that a first piston piece is a hollow cylinder with an annular channel formed on the inner surface thereof.

17. (currently amended) A brake caliper according to claim 16, characterized in that the annular channel is arranged to receive an annular seal which seals against the outer surface of ~~[[the]]~~ a flow through device which extends from the caliper wall into the cavity.

18. (withdrawn) A brake caliper according to claim 16, characterized in that the second piston piece comprises an end cap which is secured to the first piston piece at the end spaced

from the inner annular channel by means of a ring in co-operating annular grooves around the end cap and on the inner surface of the first piston piece.

19. (withdrawn) A brake caliper according to claim 12, characterized in that the outlet openings are located at regular intervals at the edge of the face end of the cylinder on which the friction lining is located, or openings are drilled through the wall of the piston adjacent the pad.

20. (withdrawn) A brake caliper having a caliper wall defining a cylinder with at least one axially displaceable, hydraulically actuated piston received on the cylinder, with which a brake pad can be pressed against a brake disc, the piston defining a cavity therewithin, with at least one inlet opening for feeding a cooling medium into the cavity, the inlet opening being arranged in the piston spaced away from the brake pad, and at least one outlet opening arranged in the piston adjacent to the brake pad for discharging cooling medium from the cavity, characterized in that the piston comprises two hollow, coaxial cylinders with different diameters, one of the cylinders extending through the caliper wall to act as a passageway for cooling medium from outside the caliper wall to the cavity.

21. (withdrawn) A brake caliper according to claim 20, characterized in that the face end of the cylinder with the larger diameter spaced from the friction lining lies in the same plane as the face end of the cylinder with the smaller diameter that disposed towards the friction lining, wherein the two cavities of the cylinders form the cavity of the piston.

22. (withdrawn) A brake caliper according to claim 12, characterized in that devices for influencing the cooling medium flow are provided in the cavity of the piston.

23. (withdrawn) A brake caliper according to claim 20, characterized in that devices for influencing the cooling medium flow are provided in the cavity of the piston.

24. (withdrawn) A brake caliper according to claim 12, characterized in that the brake caliper comprises a brake pad having a surface against which a piston of a caliper can be arranged to press, the brake pad having a cooling medium passageway formed therein arranged to receive cooling medium from the piston and to duct the medium away from the piston and/or to cool the pad.

25. (withdrawn) A brake caliper according to claim 20, characterized in that the brake caliper comprises a brake pad having a surface against which a piston of a caliper can be

arranged to press, the brake pad having a cooling medium passageway formed therein arranged to receive cooling medium from the piston and to duct the medium away from the piston and/or to cool the pad.

26. (withdrawn) A brake caliper according to claim 24, characterized in that a blind bore is formed in the pad so as to lie generally centrally of the piston axis, extending from the rear surface, perpendicular thereto, part of the way into the pad.

27. (withdrawn) A brake caliper according to claim 26, characterized in that coolant flow passageways are formed extending radially outwardly from the bore in fluid communication therewith.

28. (withdrawn) A brake caliper according to claim 25, characterized in that a blind bore is formed in the pad so as to lie generally centrally of the piston axis, extending from the rear surface, perpendicular thereto, part of the way into the pad.

29. (withdrawn) A brake caliper according to claim 28, characterized in that coolant flow passageways are formed extending radially outwardly from the bore in fluid communication therewith.

30. (withdrawn) A brake caliper piston for use in a brake caliper for pressing a brake pad against a brake disc, the piston defining a cavity and having a first end, an inlet opening for feeding cooling medium into the cavity in or adjacent to the first end and a second end arranged to press against a brake pad and an outlet opening in or adjacent to the second end, the first end being spaced from the second end, characterized in that the piston comprises two hollow, coaxial cylinders with different diameters, one of the cylinders extending through the caliper wall to act as a passageway for cooling medium from outside the caliper wall to the cavity.

31. (withdrawn) A brake caliper piston according to claim 30, in which a plurality of outlet openings are provided, each opening being arranged in or adjacent to the second end.

32. (new) A brake caliper according to claim 12, characterized in that the discharging air impinges on the brake disc.

33. (new) A brake caliper according to claim 12, characterized in that the discharging air is directed at and flows against the brake pad.

34. (new) A brake caliper according to claim 14, characterized in that the at least one outlet opening comprises several slit-type outlet openings on an edge of the face end on which the brake pad is located.

35. (new) A brake caliper according to claim 12, characterized in that the piston comprises a hollow cylinder having a pair of face ends, wherein the brake pad is located on one of the face ends and an inlet opening, through which the flow-through device extends, is defined on the other face end, and the at least one outlet opening comprises several openings around the circumference of the hollow cylinder.

36. (new) A brake caliper according to claim 35, characterized in that the several openings are arranged at regular intervals around the circumference of the hollow cylinder.

37. (new) A brake caliper according to claim 12, characterized in that the inlet opening connects to a bore in the brake pad so that air passes from the inlet opening through the bore in the brake pad and exits through at least one outlet opening.

38. (new) A brake caliper according to claim 12, characterized in that the hydraulically actuated piston has a first surface that is contacted by hydraulic fluid causing piston movement and a second surface that contacts and forms a passage for the cooling air.

39. (new) A brake caliper according to claim 12, characterized in that the hydraulic fluid does not pass through the first inlet opening and does not pass through the at least one outlet opening.

40. (new) A brake caliper according to claim 12, characterized in that the hydraulic fluid is operable on the outside of the piston and the air passes through the first inlet opening, an interior of the piston and through the at least one outlet opening.